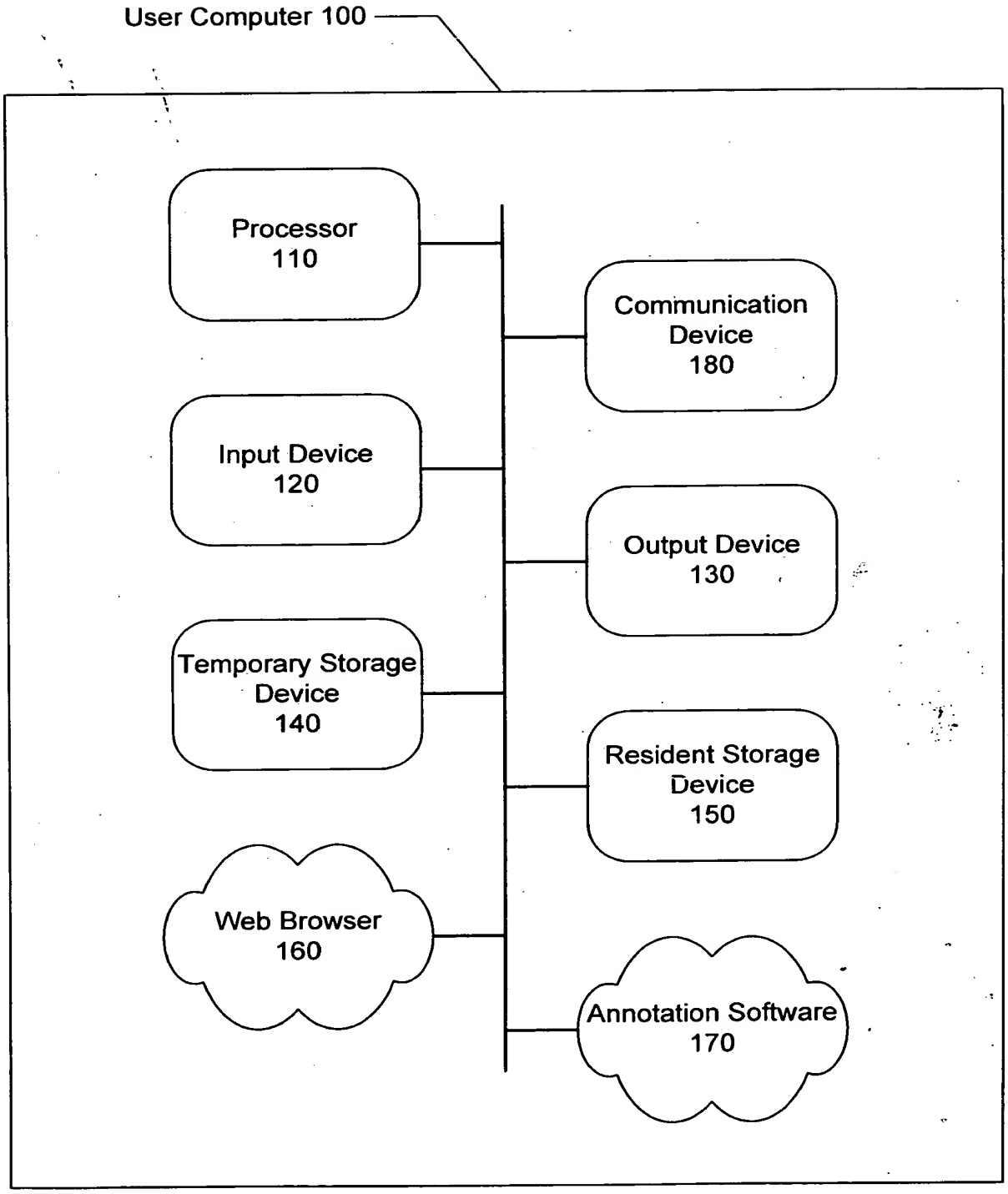
User Computer 100
Processor 110
Input Device 120
Temporary Storage Device 140
Web Browser 160
Communication Device 180
Output Device 130
Resident Storage Device 150
Annotation Software 170

FIG. 1

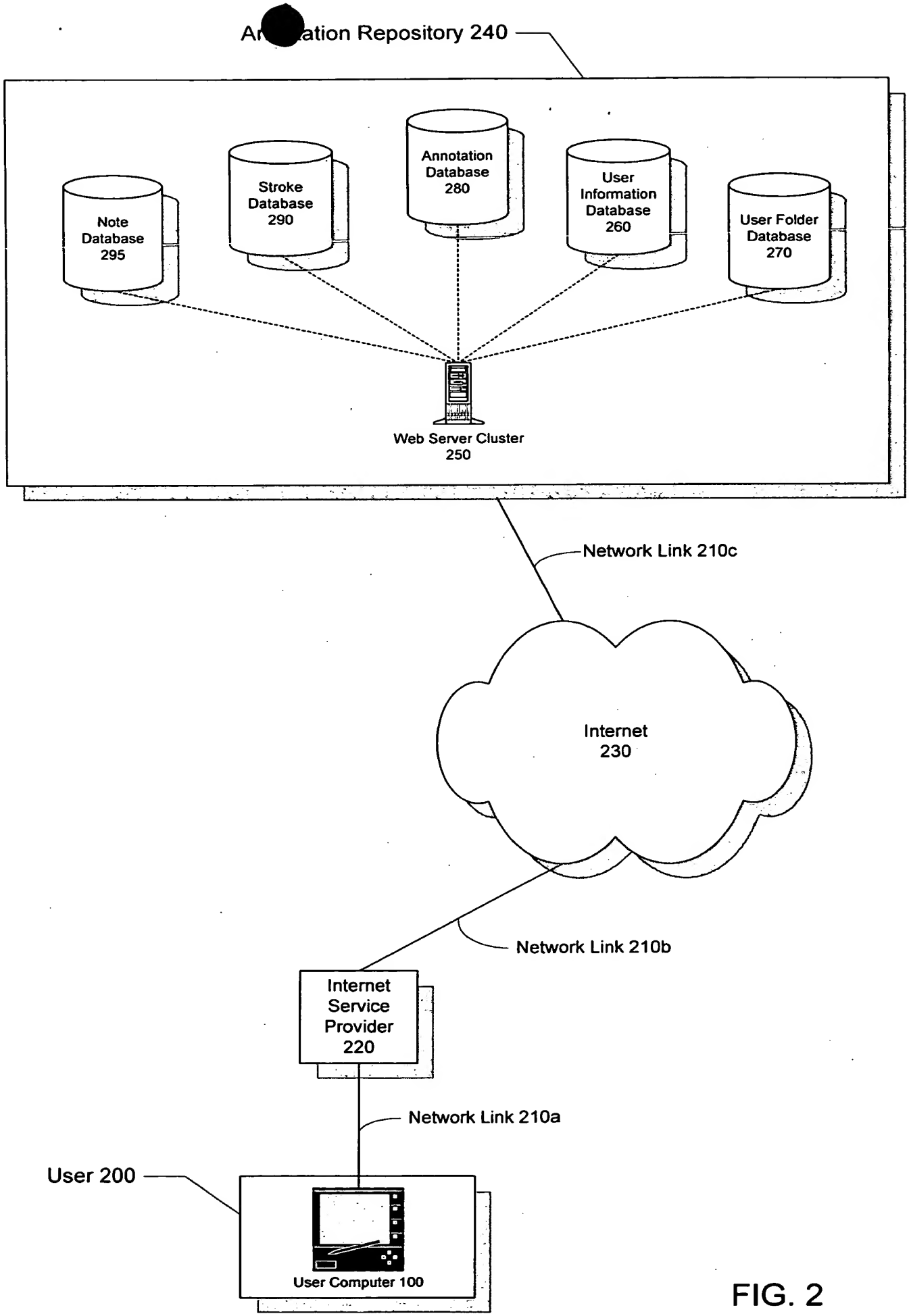
Annotation Repository 240
Note Database 295
Stroke Database 290
Annotation Database 280
User Information Database 260
User Folder Database 270
Web Server Cluster 250
Network Link 210c
Internet 230
Network Link 210b
Internet Service Provider 220
Network Link 210a
User 200
User Computer 100

FIG. 2

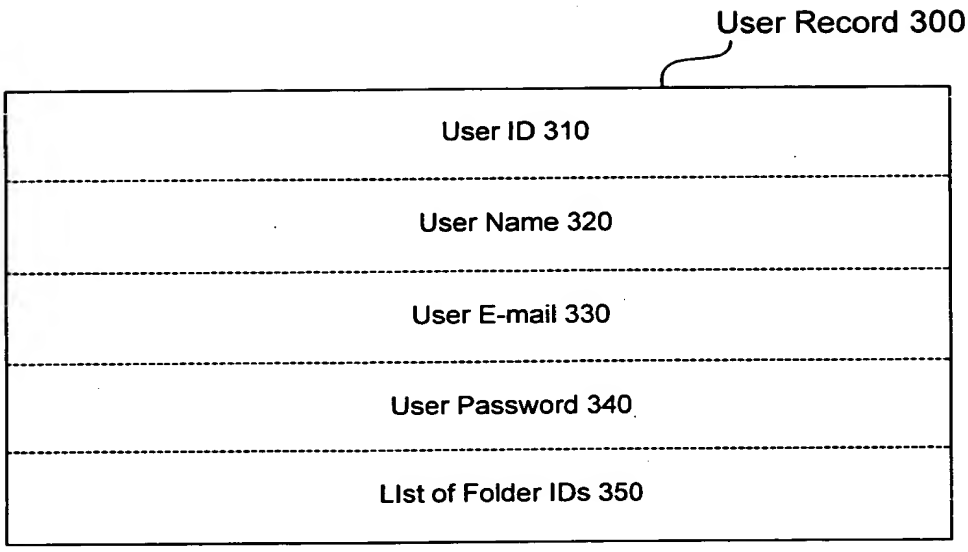
User Record 300
User ID 310
User Name 320
User E-mail 330
User Password 340
LIst of Folder IDs 350

FIG. 3

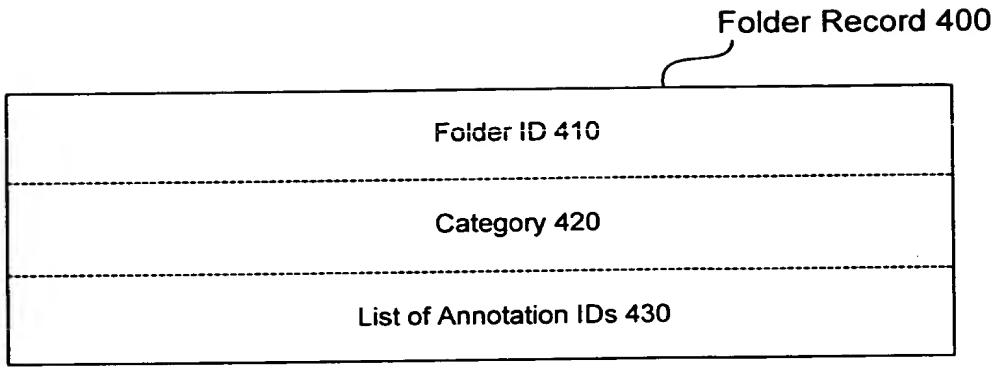
Folder Record 400
Folder ID 410
Category 420
List of Annotation IDs 430

FIG. 4

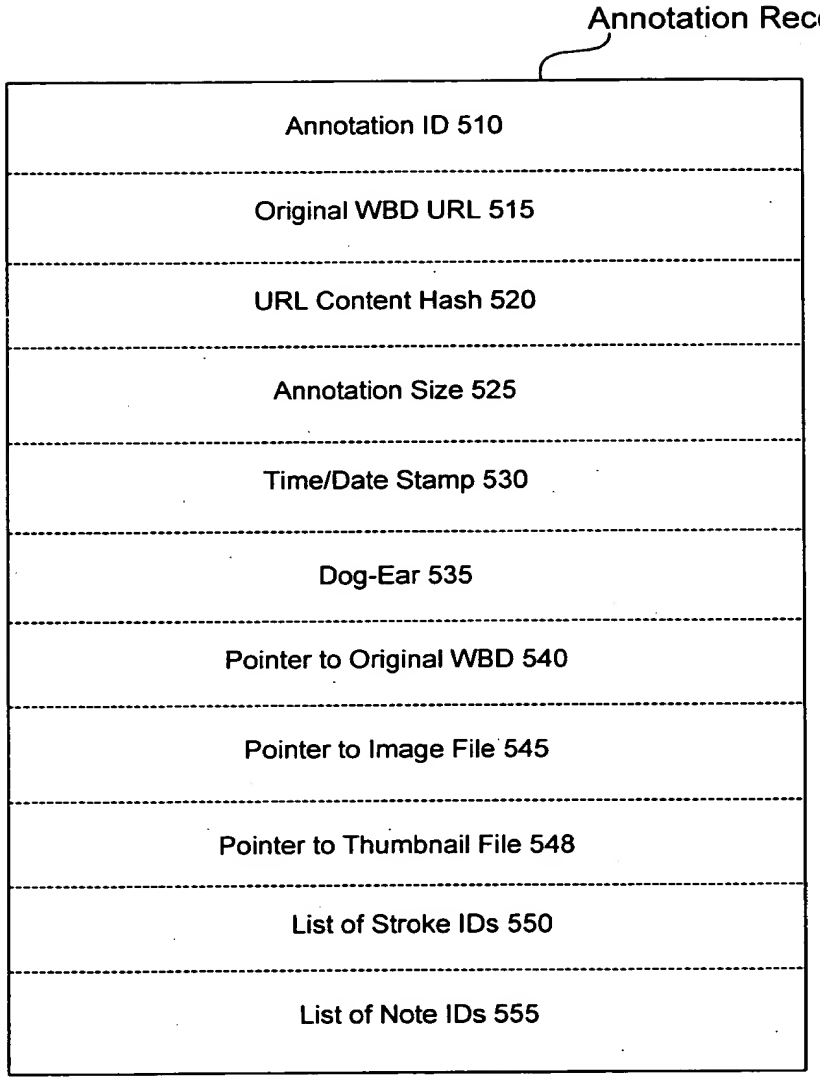
Annotation Record 500
Annotation ID 510
Original WBD URL 515
URL Content Hash 520
Annotation Size 525
Time/Date Stamp 530
Dog-Ear 535
Pointer to Original WBD 540
Pointer to Image File 545
Pointer to Thumbnail File 548
List of Stroke IDs 550
List of Note IDs 555

FIG. 5

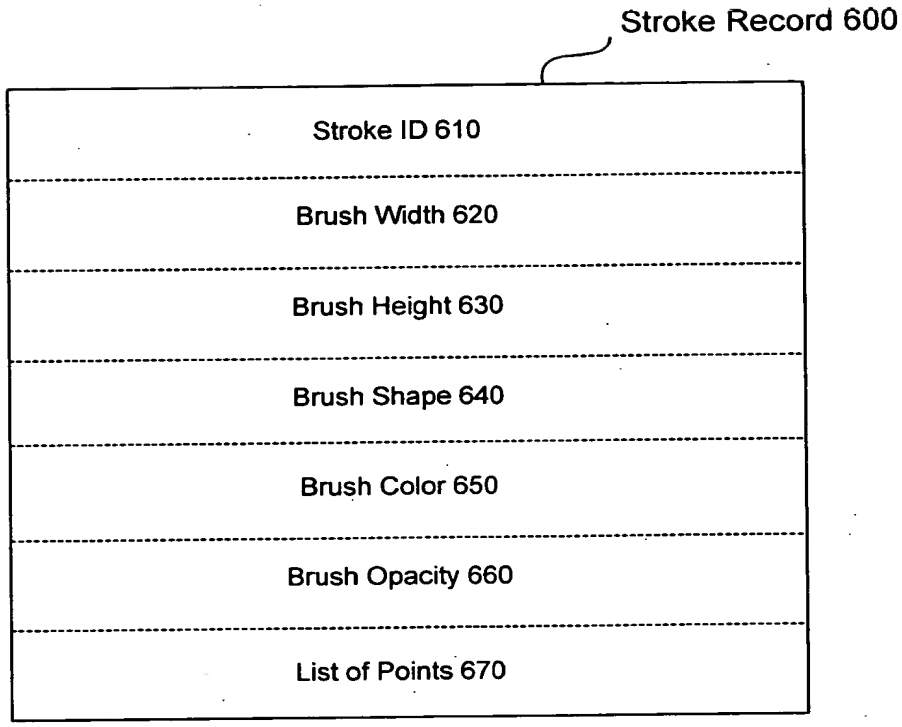
Stroke Record 600
Stroke ID 610
Brush Width 620
Brush Height 630
Brush Shape 640
Brush Color 650
Brush Opacity 660
List of Points 670

FIG. 6

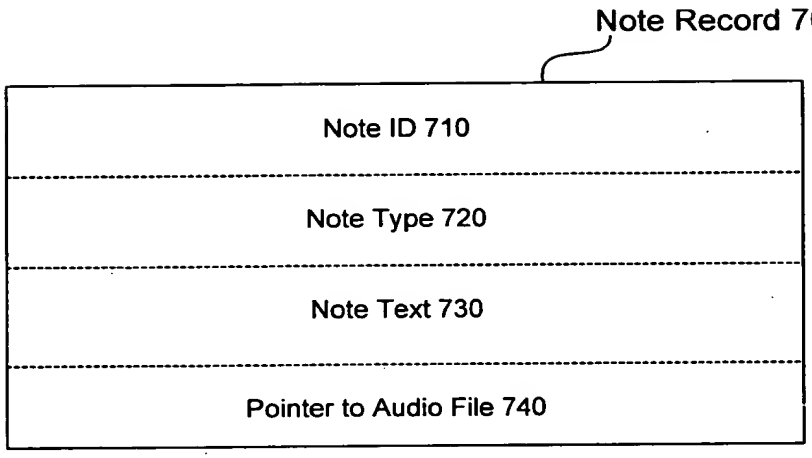
Note Record 700
Note ID 710
Note Type 720
Note Text 730
Pointer to Audio File 740

FIG. 7

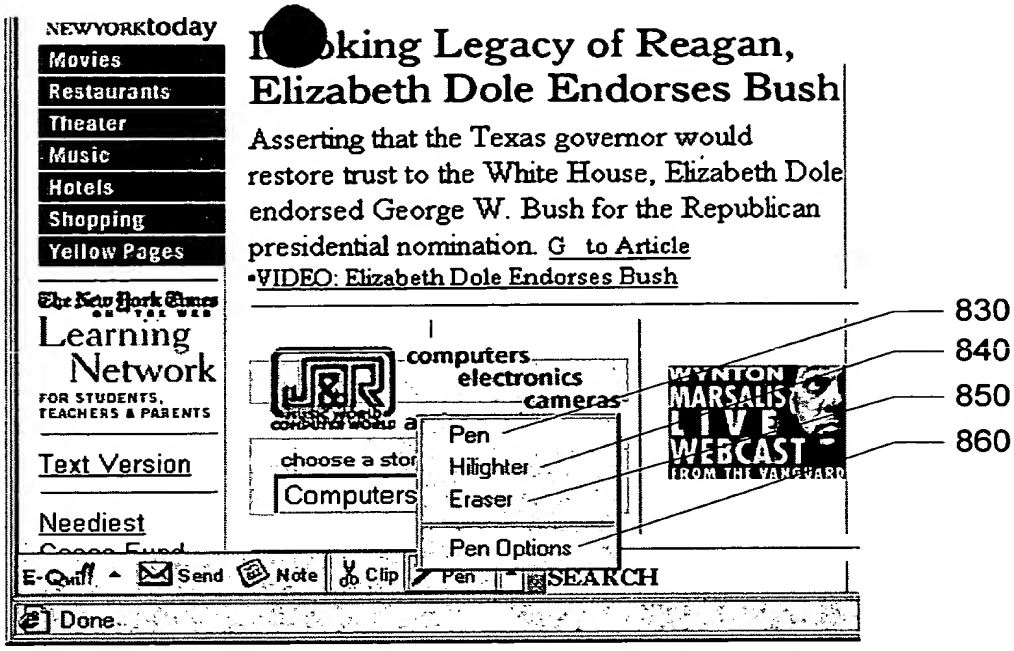
NEWYORKtoday
Movies
Restaurants
Theater
Music
Hotels
Shopping
Yellow Pages
The New York Times ON THE WEB
Learning Network
FOR STUDENTS, TEACHERS & PARENTS
Text Version
Neediest
Looking Legacy of Reagan, Elizabeth Dole Endorses Bush
Asserting that the Texas governor would restore trust to the White House, Elizabeth Dole endorsed George W. Bush for the Republican presidential nomination. G to Article
•VIDEO: Elizabeth Dole Endorses Bush
computers
electronics
cameras
choose a stor
Computers
Pen
Hilighter
Eraser
Pen Options
WYNTON MARSALIS LIVE WEBCAST FROM THE VANGUARD
E-Quill
Send
Note
Clip
Pen
SEARCH
Done
830
840
850
860

FIG. 8A

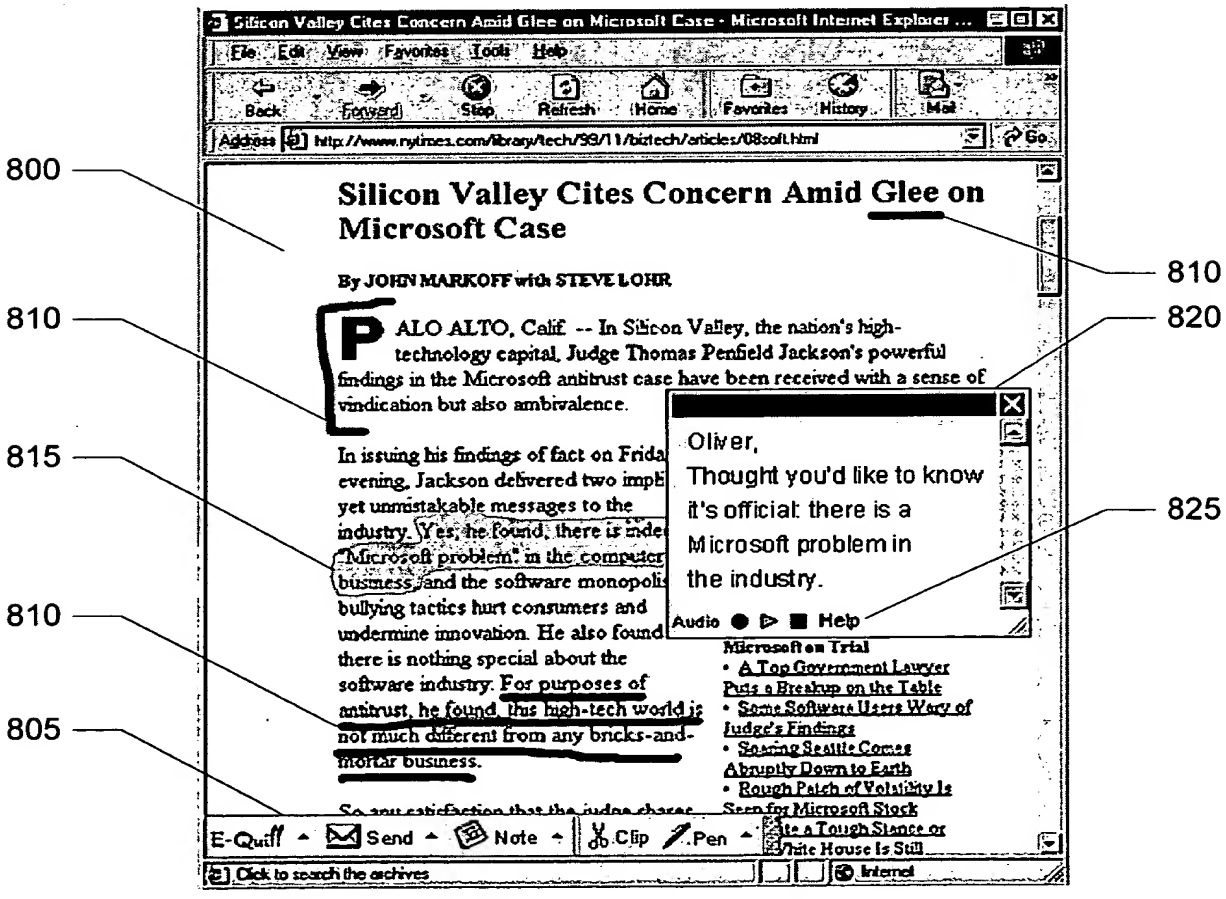
Silicon Valley Cites Concern Amid Glee on Microsoft Case - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Favorites History Mail
Address http://www.nytimes.com/library/tech/99/11/biztech/articles/08soft.html
Silicon Valley Cites Concern Amid Glee on Microsoft Case
By JOHN MARKOFF with STEVE LOHR
PALO ALTO, Calif. -- In Silicon Valley, the nation's high-technology capital, Judge Thomas Penfield Jackson's powerful findings in the Microsoft antitrust case have been received with a sense of vindication but also ambivalence.
In issuing his findings of fact on Frida evening, Jackson delivered two impl yet unmistakable messages to the industry. Yes, he found, there is inde "Microsoft problem" in the computer business, and the software monopoli bullying tactics hurt consumers and undermine innovation. He also found there is nothing special about the software industry. For purposes of antitrust, he found, this high-tech world is not much different from any bricks-and-mortar business.
Oliver,
Thought you'd like to know it's official: there is a Microsoft problem in the industry.
Audio Help
Microsoft on Trial
• A Top Government Lawyer Puts a Breakup on the Table
• Some Software Users Wary of Judge's Findings
• Soaring Seattle Comes Abruptly Down to Earth
• Rough Patch of Volatility Is Seen for Microsoft Stock
te a Tough Stance or
White House Is Still
E-Quill Send Note Clip Pen
Click to search the archives
Internet
800
810
815
810
805
810
820
825

FIG. 8

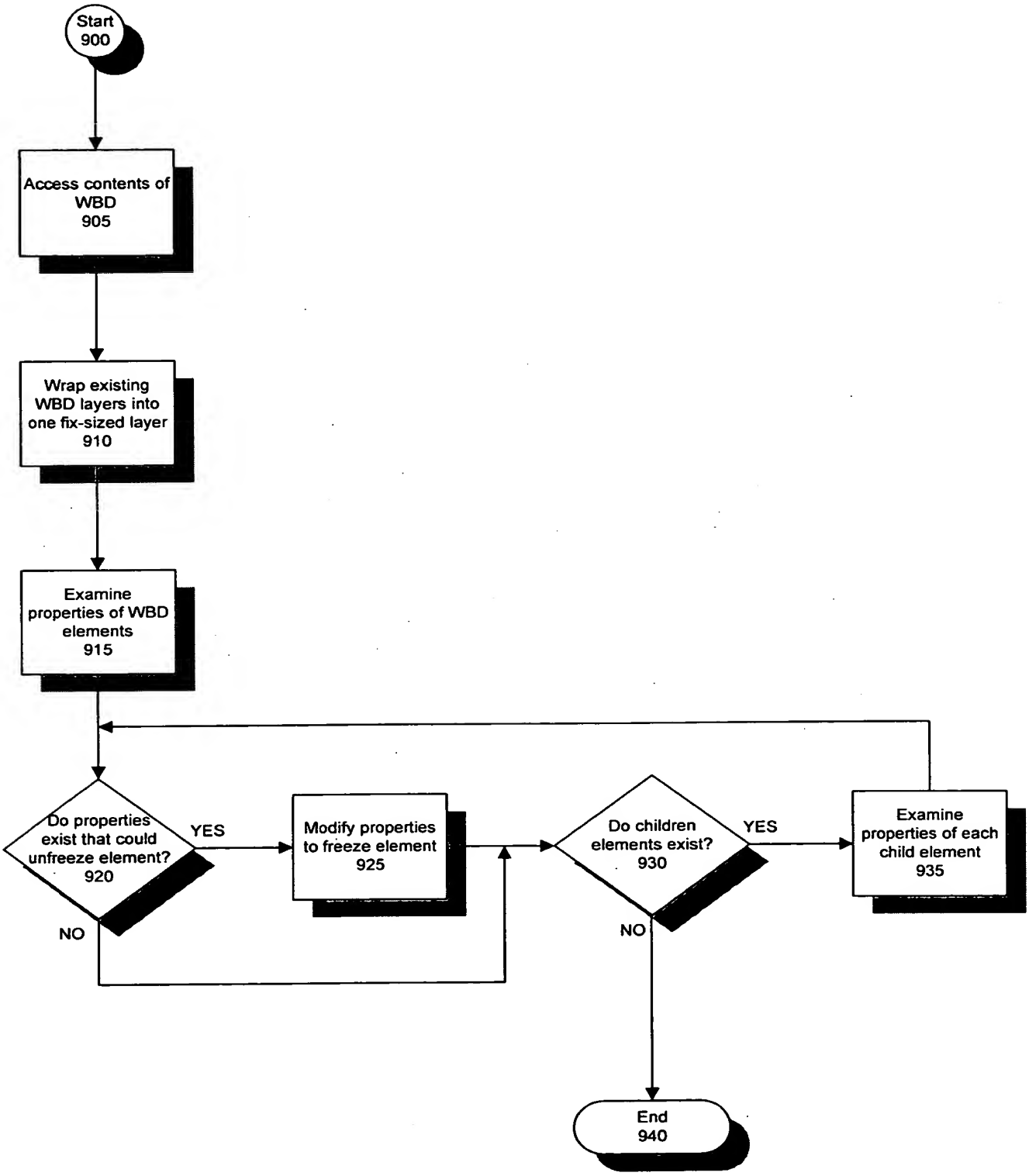
Start
900
Access contents of WBD
905
Wrap existing WBD layers into one fix-sized layer
910
Examine properties of WBD elements
915
Do properties exist that could unfreeze element?
920
YES
NO
Modify properties to freeze element
925
Do children elements exist?
930
YES
NO
Examine properties of each child element
935
End
940

FIG. 9

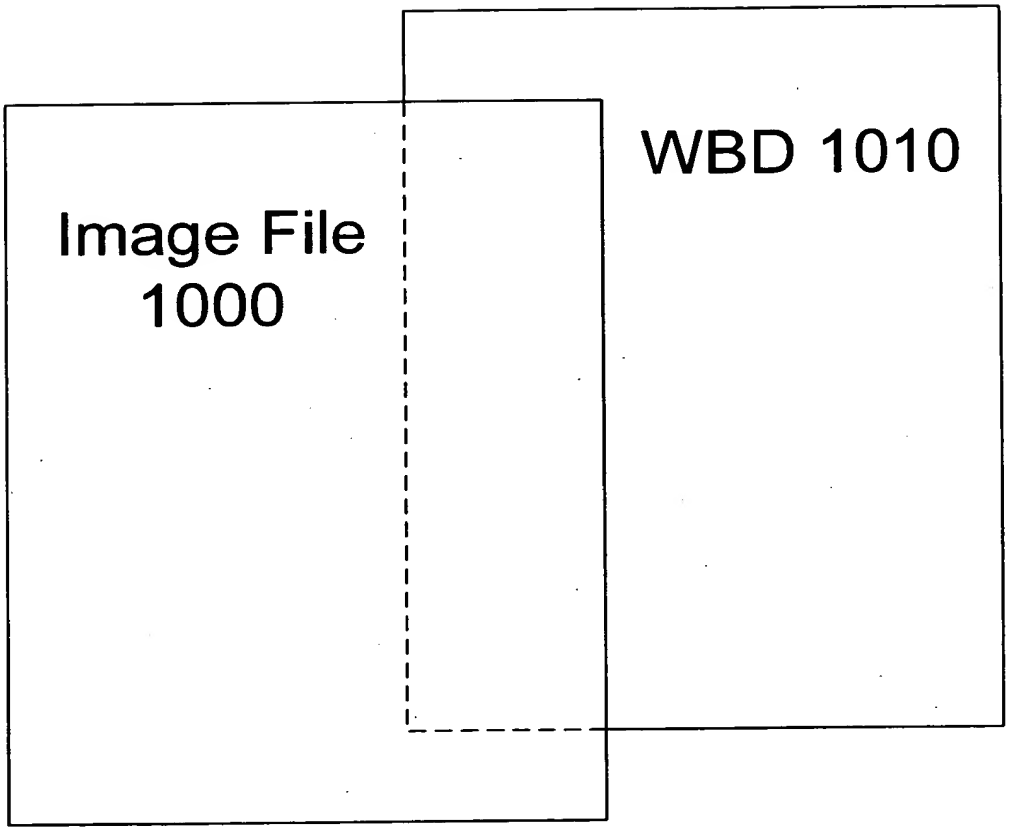

FIG. 10

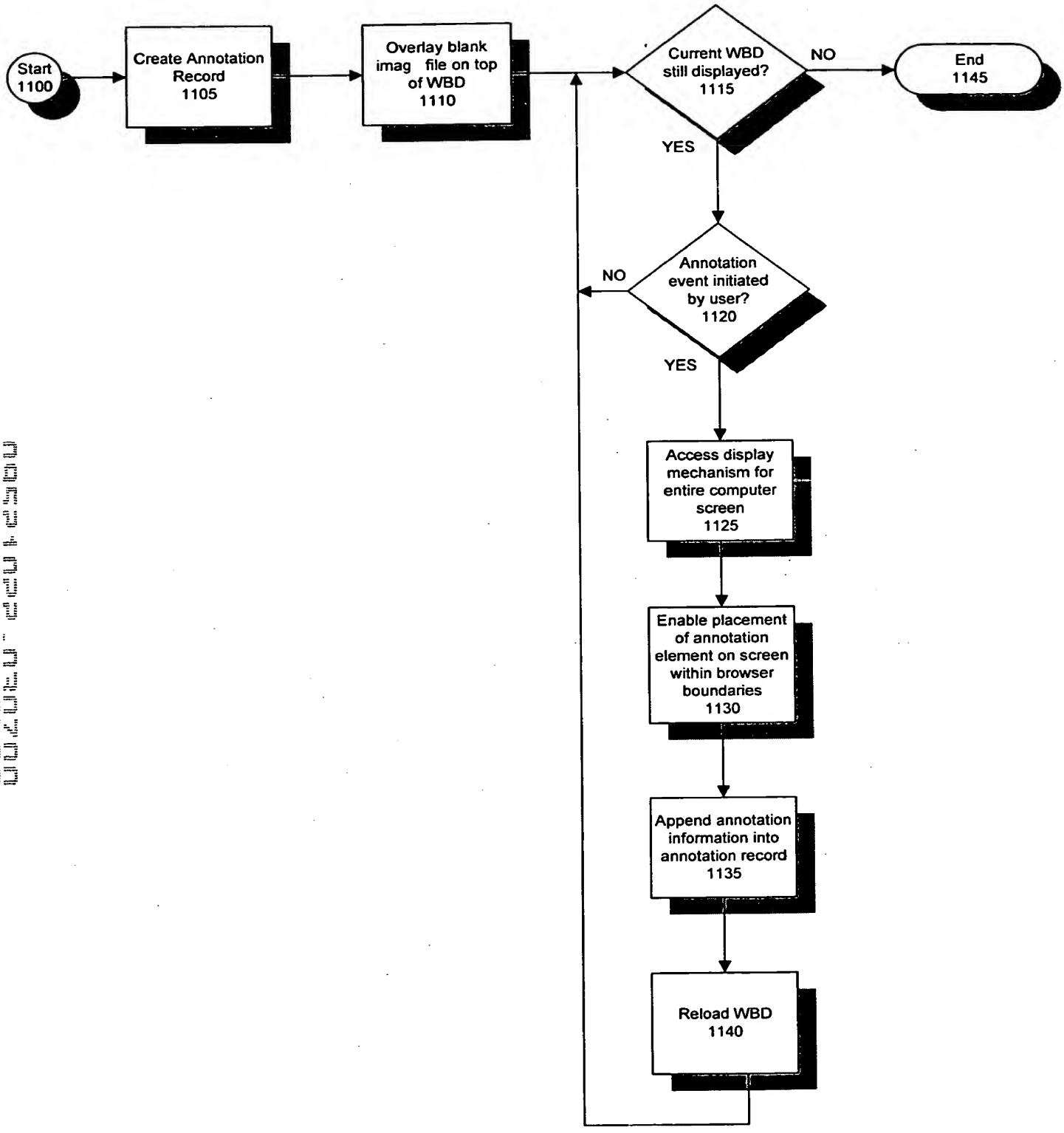
Start
1100
Create Annotation Record
1105
Overlay blank imag file on top of WBD
1110
Current WBD still displayed?
1115
NO
End
1145
YES
Annotation event initiated by user?
1120
NO
YES
Access display mechanism for entire computer screen
1125
Enable placement of annotation element on screen within browser boundaries
1130
Append annotation information into annotation record
1135
Reload WBD
1140

FIG. 11

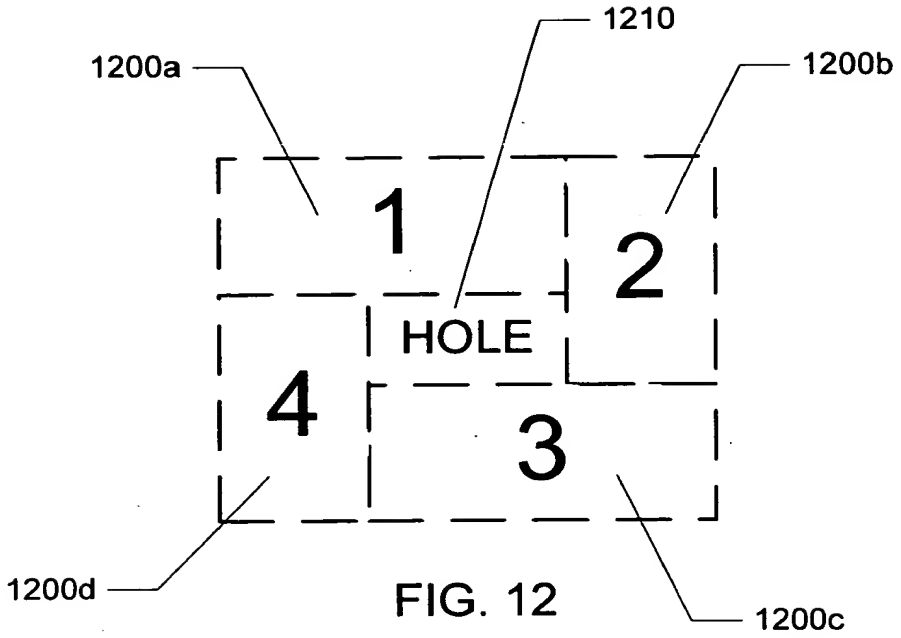
1210
1200a
1200b
1
2
HOLE
4
3
1200d
1200c

FIG. 12

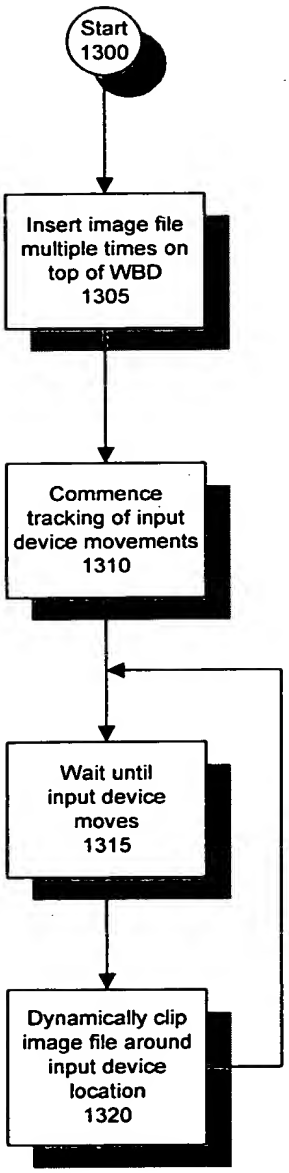
Start
1300
Insert image file multiple times on top of WBD
1305
Commence tracking of input device movements
1310
Wait until input device moves
1315
Dynamically clip image file around input device location
1320

FIG. 13

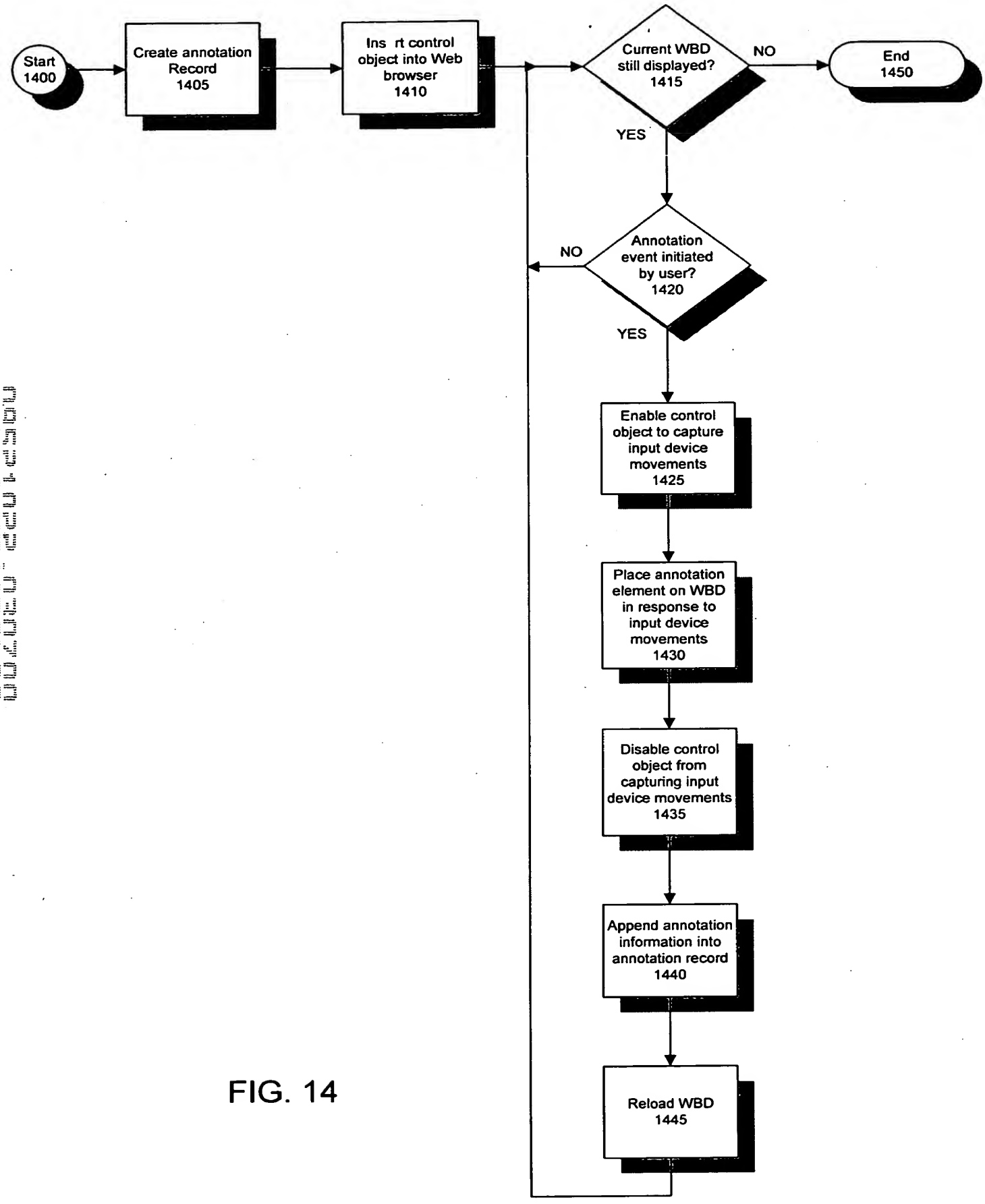
Start
1400
Create annotation Record
1405
Ins rt control object into Web browser
1410
Current WBD still displayed?
1415
NO
End
1450
YES
Annotation event initiated by user?
1420
NO
YES
Enable control object to capture input device movements
1425
Place annotation element on WBD in response to input device movements
1430
Disable control object from capturing input device movements
1435
Append annotation information into annotation record
1440
Reload WBD
1445

FIG. 14

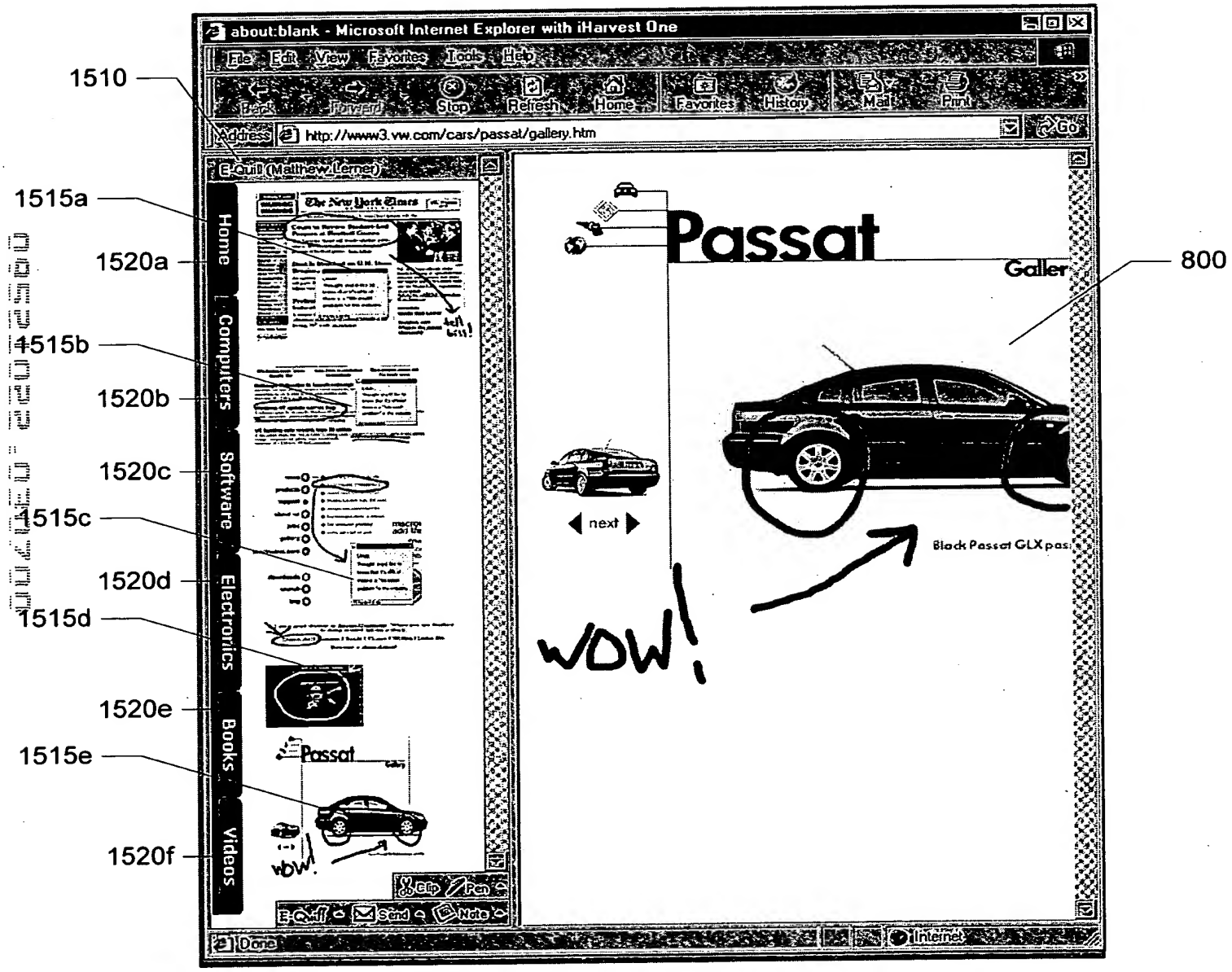
about:blank - Microsoft Internet Explorer with iHarvest One
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Favorites History Mail Print
Address http://www3.vw.com/cars/passat/gallery.htm
Go
E-Quill (Matthew Lerner)
Home
Computers
Software
Electronics
Books
Videos
Passat
Galler
next
Black Passat GLX pas
WOW!
Clip
Pen
Send
Note
Done
Internet
1510
1515a
1520a
1515b
1520b
1520c
1515c
1520d
1515d
1520e
1515e
1520f
800

FIG. 15

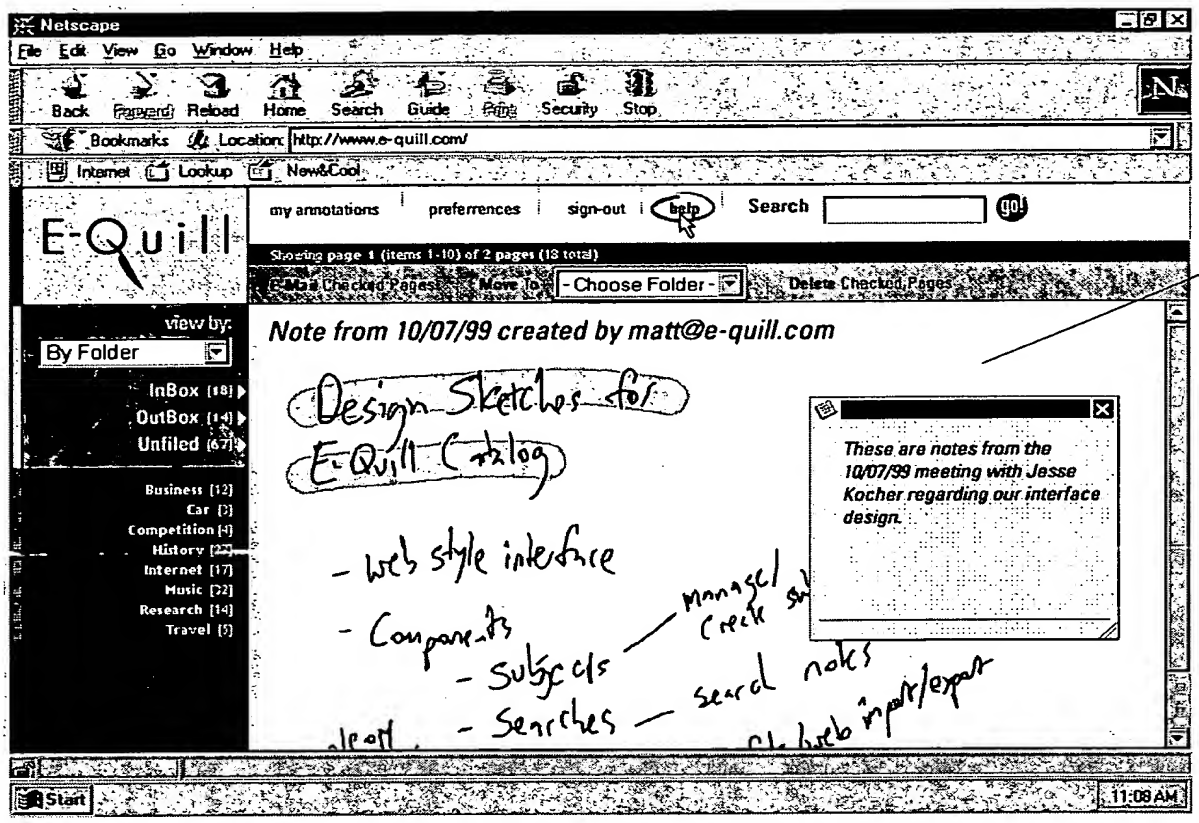
Netscape
File Edit View Go Window Help
Back Forward Reload Home Search Guide Print Security Stop
Bookmarks Location: http://www.e-quill.com/
Internet Lookup New&Cool
E-Quill
my annotations
preferences
sign-out
help
Search
Showing page 1 (items 1-10) of 2 pages (18 total)
Checked Pages
Move To
- Choose Folder -
Delete Checked Pages
view by:
By Folder
InBox [18]
OutBox [14]
Unfiled [67]
Business [12]
Car [3]
Competition [4]
History [2]
Internet [17]
Music [22]
Research [14]
Travel [5]
Note from 10/07/99 created by matt@e-quill.com
Design Sketches for E-Quill Catalog
- web style interface
- Components
- Subjects
- Searches
manage/ check
search notes
These are notes from the 10/07/99 meeting with Jesse Kocher regarding our interface design.
Start
11:08 AM
800

FIG. 15A

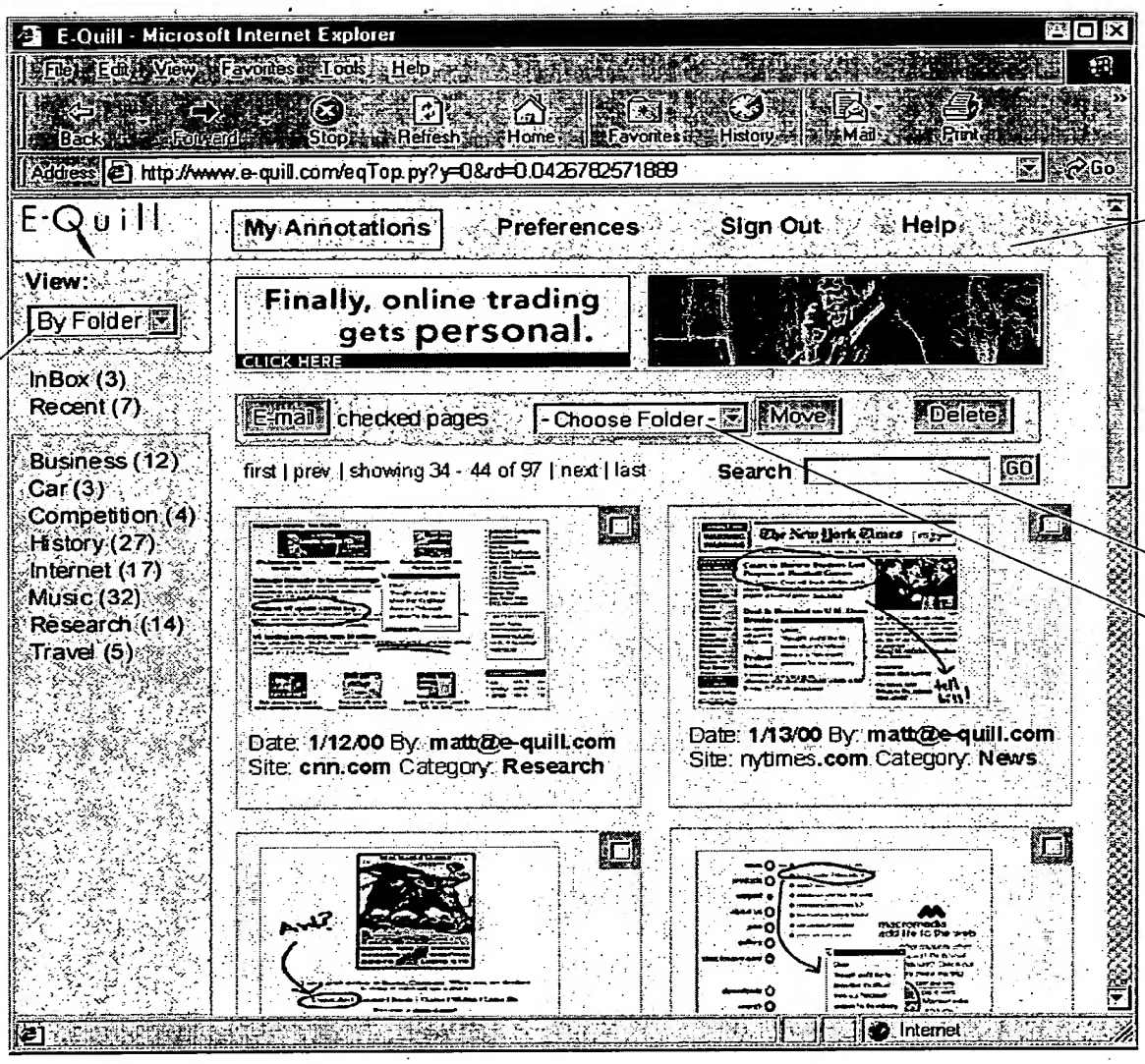
E-Quill - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Favorites History Mail Print
Address http://www.e-quill.com/eqTop.py?y=0&rd=0.04267825718B9
Go
E-Quill
My Annotations
Preferences
Sign Out
Help
1600
View:
By Folder
1610
InBox (3)
Recent (7)
Business (12)
Car (3)
Competition (4)
History (27)
Internet (17)
Music (32)
Research (14)
Travel (5)
Finally, online trading gets personal.
CLICK HERE
E-mail checked pages
- Choose Folder -
Move
Delete
first | prev | showing 34 - 44 of 97 | next | last
Search
GO
1610
1610
Date: 1/12/00 By: matt@e-quill.com
Site: cnn.com Category: Research
The New York Times
Date: 1/13/00 By: matt@e-quill.com
Site: nytimes.com Category: News
Internet

FIG. 16

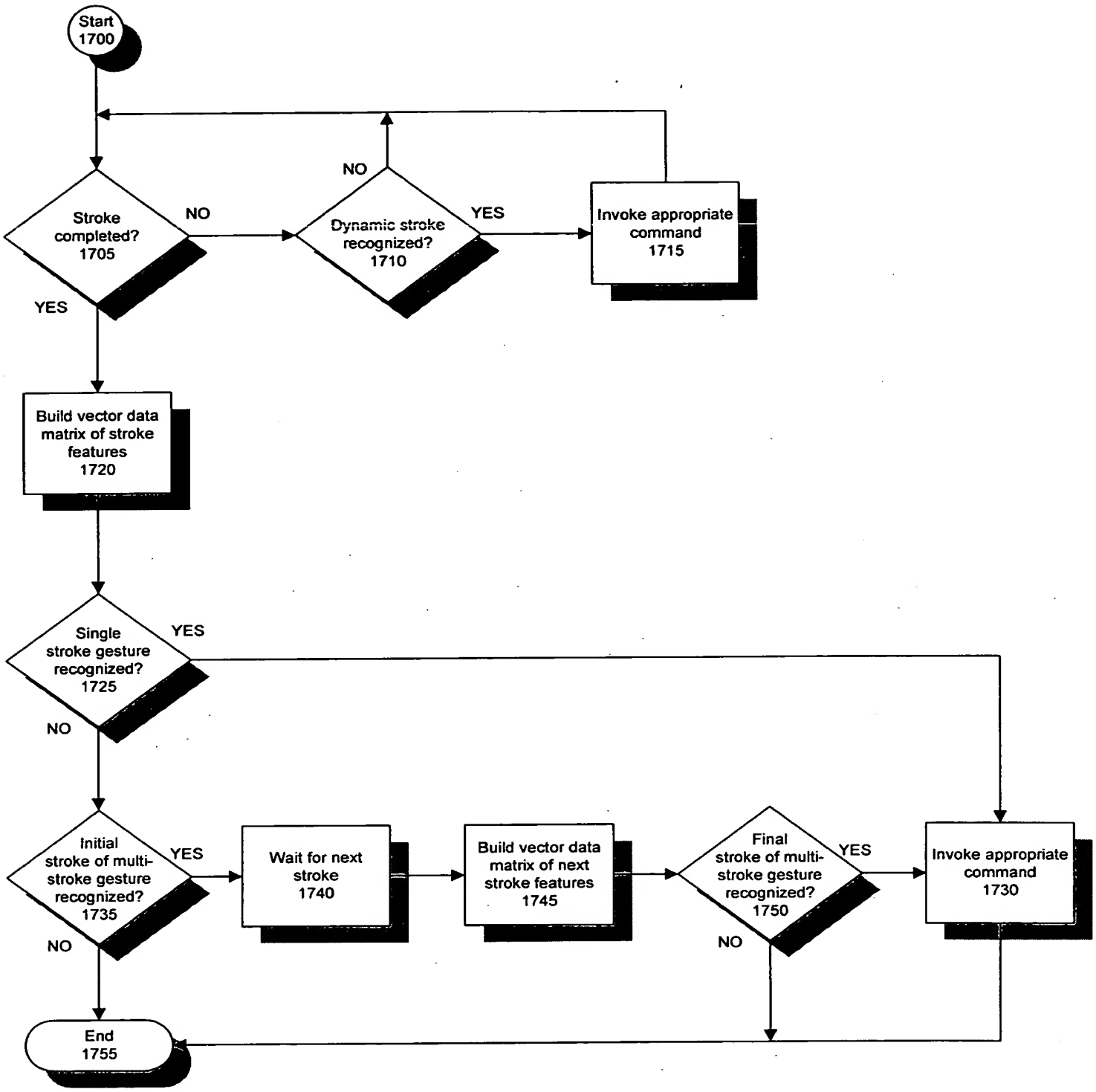
Start
1700
Stroke completed?
1705
NO
YES
Dynamic stroke recognized?
1710
NO
YES
Invoke appropriate command
1715
Build vector data matrix of stroke features
1720
Single stroke gesture recognized?
1725
YES
NO
Initial stroke of multi-stroke gesture recognized?
1735
YES
NO
Wait for next stroke
1740
Build vector data matrix of next stroke features
1745
Final stroke of multi-stroke gesture recognized?
1750
YES
NO
Invoke appropriate command
1730
End
1755

FIG. 17

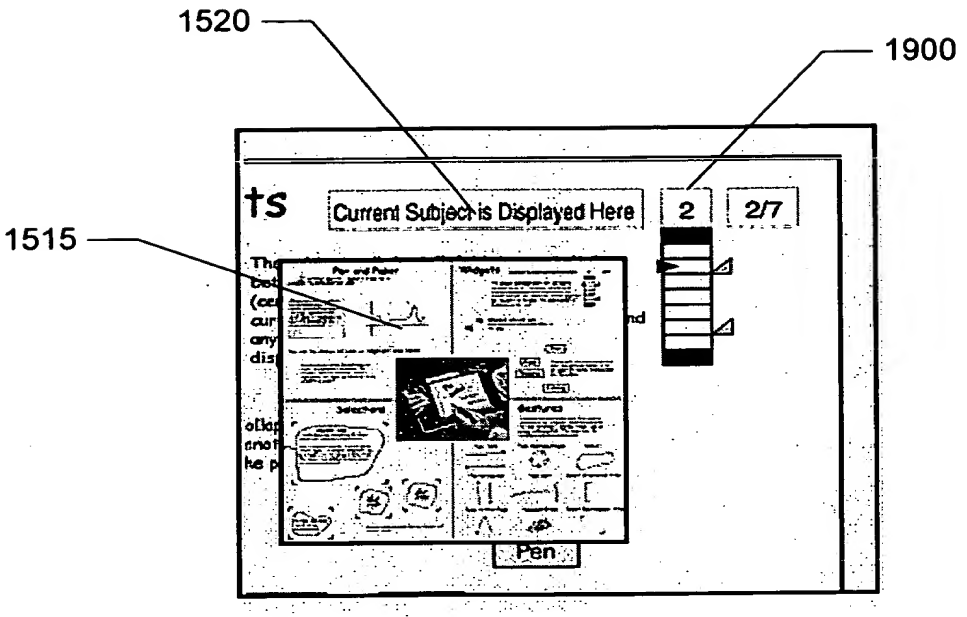
1520
1900
1515
ts
Current Subject is Displayed Here
2
2/7
Pen

FIG. 19

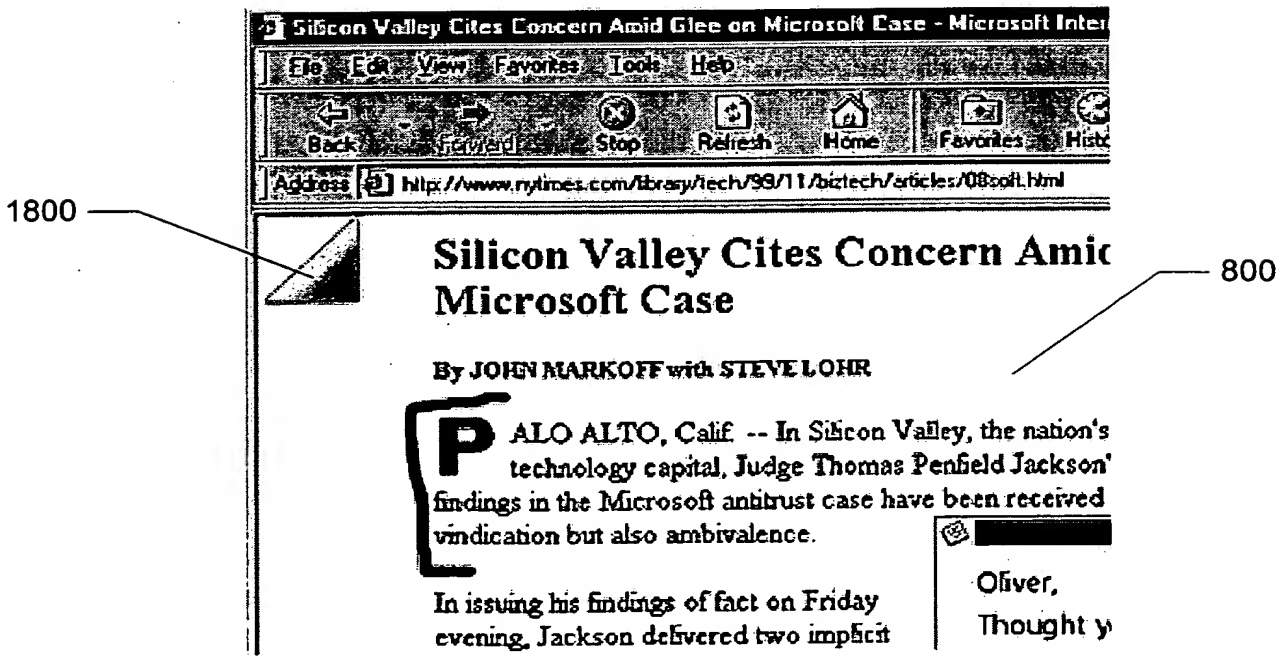
1800
800
Silicon Valley Cites Concern Amid Glee on Microsoft Case - Microsoft Inter
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Favorites
Address http://www.nytimes.com/library/tech/98/11/biztech/articles/08soft.html
Silicon Valley Cites Concern Amic
Microsoft Case
By JOHN MARKOFF with STEVE LOHR
PALO ALTO, Calif. -- In Silicon Valley, the nation's
technology capital, Judge Thomas Penfield Jackson'
findings in the Microsoft antitrust case have been received
vindication but also ambivalence.
In issuing his findings of fact on Friday
evening, Jackson delivered two implicit
Oliver,
Thought y

FIG. 18

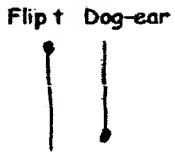
Flip t
Dog-ear

FIG. 21

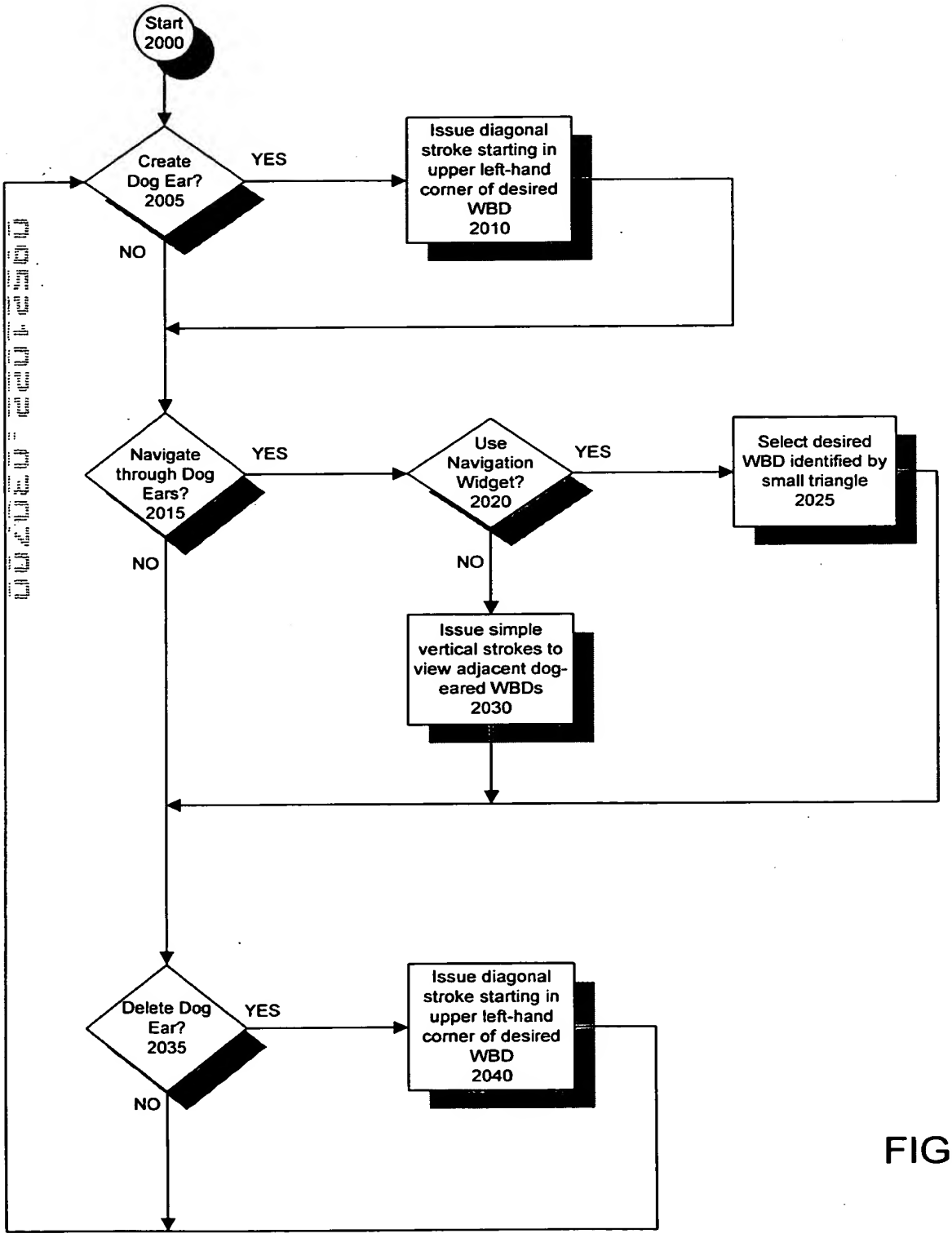
Start
2000
Create Dog Ear?
2005
YES
NO
Issue diagonal stroke starting in upper left-hand corner of desired WBD
2010
Navigate through Dog Ears?
2015
YES
NO
Use Navigation Widget?
2020
YES
NO
Select desired WBD identified by small triangle
2025
Issue simple vertical strokes to view adjacent dog-eared WBDs
2030
Delete Dog Ear?
2035
YES
NO
Issue diagonal stroke starting in upper left-hand corner of desired WBD
2040

FIG. 20

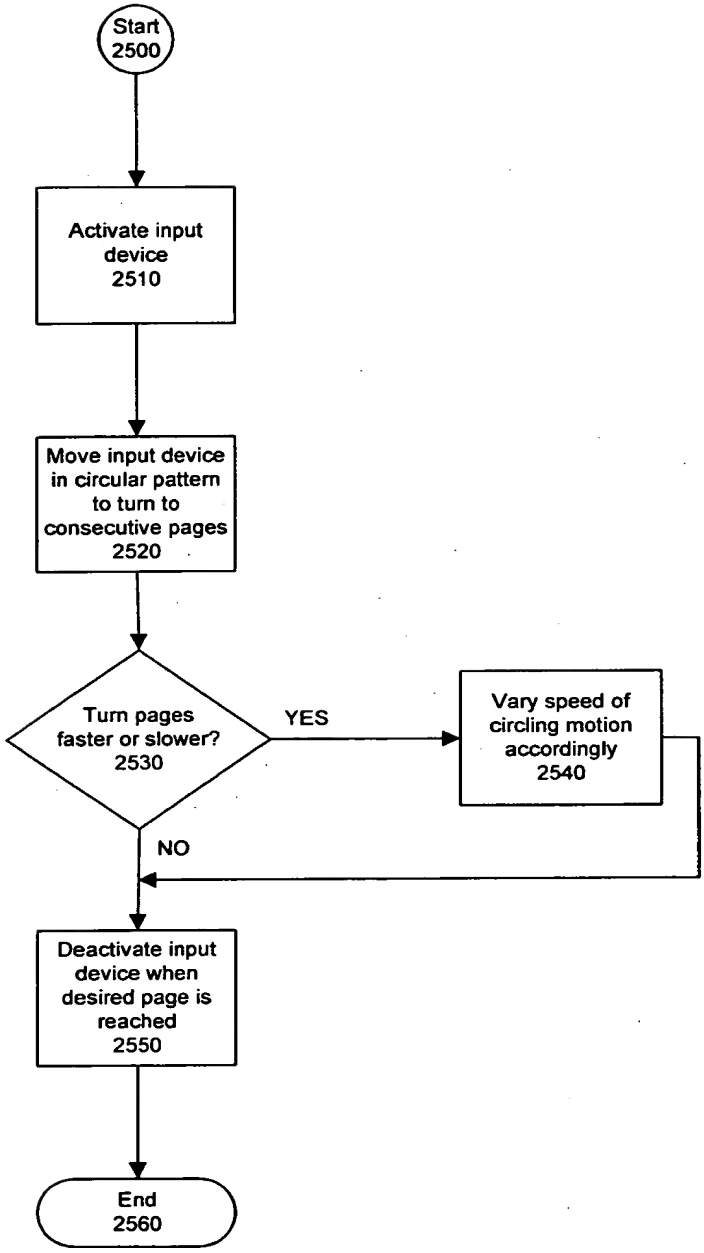

FIG. 25

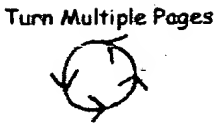

FIG. 24

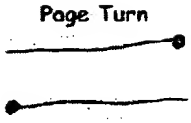

FIG. 23

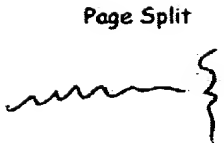

FIG. 22

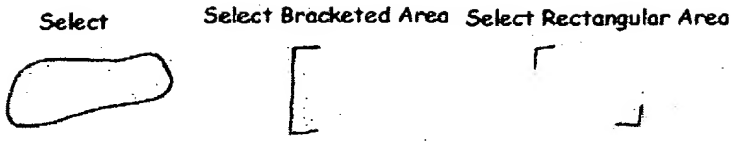

FIG. 26

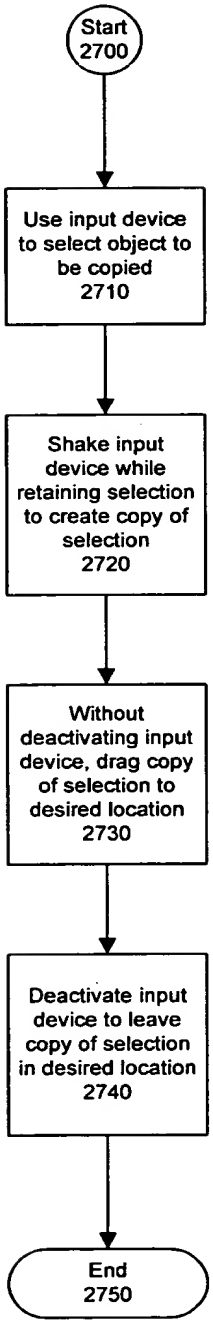
Start
2700
Use input device to select object to be copied
2710
Shake input device while retaining selection to create copy of selection
2720
Without deactivating input device, drag copy of selection to desired location
2730
Deactivate input device to leave copy of selection in desired location
2740
End
2750

FIG. 27

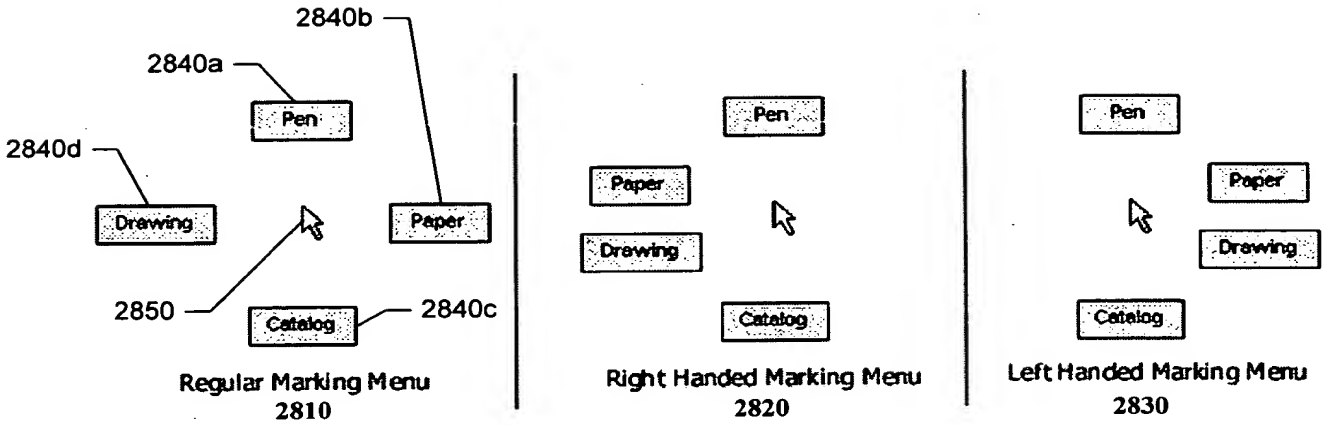
2840b
2840a
Pen
2840d
Drawing
Paper
2850
Catalog
2840c
Regular Marking Menu
2810
Pen
Paper
Drawing
Catalog
Right Handed Marking Menu
2820
Pen
Paper
Drawing
Catalog
Left Handed Marking Menu
2830

FIG. 28